

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
WO 03/061593 A3

- (51) International Patent Classification<sup>7</sup>: A61B 8/00, 10/00, A61K 9/14, 9/16, 9/50
- (21) International Application Number: PCT/US03/02024
- (22) International Filing Date: 23 January 2003 (23.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
10/055,772 23 January 2002 (23.01.2002) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:  
US 10/055,772 (CIP)  
Filed on 23 January 2002 (23.01.2002)
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— of inventorship (Rule 4.17(iv)) for US only
- Published:**  
— with international search report
- (88) Date of publication of the international search report:  
4 December 2003
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: NOVEL TARGETED COMPOSITIONS FOR DIAGNOSTIC AND THERAPEUTIC USE

(57) Abstract: Novel targeted compositions which may be used for diagnostic and therapeutic use. The compositions can be used in conjunction with diagnostic imaging, such as ultrasound, as well as therapeutic applications, such as therapeutic ultrasound.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/02024

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61B 8/00, 10/00; A61K 9/14, 9/16, 9/50  
US CL : 424/9.5, 9.51, 9.52, 9.6, 489, 490, 498, 499, 502.

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/9.5, 9.51, 9.52, 9.6, 489, 490, 498, 499, 502.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,159,445A (KLAVENESS et al) 12 DECEMBER 2000, see the entire document.	1-116
Y	US 5,919,434A (DUGSTAD et al) 06 JULY 1999, see the entire document	1-116
Y	US 2001/00312243A1 (UNGER) 18 OCTOBER 2001, see the entire documents.	1-116
Y	US 6,165,442A (SWAERD-NORDMO et al), 26 DECEMBER 2000, see the entire document.	1-116
Y	US 6,123,923 A (UNGER et al) 26 SEPTEMBER 2000, see the entire document	1-116
Y	US 6,231,834 B1 (UNGER et al) 15 MAY 2001, see the entire document.	1-116



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

21 July 2003 (21.07.2003)

Date of mailing of the international search report

17 SEP 2003

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**INTERNATIONAL SEARCH REPORT**

PCT/US03/02024

**Continuation of B. FIELDS SEARCHED Item 3:**

MEDLINE, CAS ONLINE search terms: ultrasound, lipid vesicle, phospholipid, perfluorocarbon, polyethylene glycol, vascular plaque, phosphatidyl serine.